

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,424,856 B2
APPLICATION NO. : 10/525565
DATED : September 16, 2008
INVENTOR(S) : Werner Brennwald et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

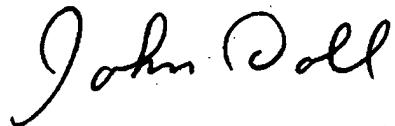
The title page should be deleted to appear as per attached title page.

The sheets of drawings consisting of figures 1-13 should be deleted to appear as per attached figures 1-13.

This certificate supersedes the Certificates of Correction issued November 25, 2008 and December 23, 2008.

Signed and Sealed this

Tenth Day of February, 2009



JOHN DOLL
Acting Director of the United States Patent and Trademark Office

(12) United States Patent
Brennwald et al.(10) Patent No.: US 7,424,856 B2
(45) Date of Patent: Sep. 16, 2008(54) GRATE ELEMENT FOR A GRATE OF A
WASTE COMBUSTION INSTALLATION(75) Inventors: Werner Brennwald, Neftenbach (CH);
Manfred Wilder, Uster (CH); Fritz
Weber, Neftal (CH)

(73) Assignee: Von Roll Umwelttechnik AG (CH)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 397 days.

(21) Appl. No.: 10/525,565

(22) PCT Filed: Aug. 22, 2003

(86) PCT No.: PCT/EP03/09323

§ 371 (c)(1),

(2), (4) Date: Feb. 25, 2005

(87) PCT Pub. No.: WO2004/025181

PCT Pub. Date: Mar. 25, 2004

(65) Prior Publication Data

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(30) Foreign Application Priority Data

Aug. 29, 2002 (EP) 02405738

(51) Int. Cl.

F23H 7/08 (2006.01)

(52) U.S. Cl. 110/281; 110/258; 110/291

(58) Field of Classification Search 110/281,

110/257, 258, 267, 268, 282, 283, 284, 289,

110/290, 291, 296

See application file for complete search history.

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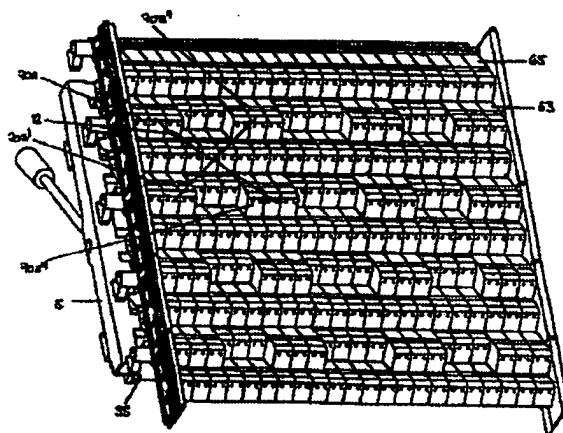
Primary Examiner—Kenneth B Rinehart

(74) Attorney, Agent, or Firm—Hershkovitz & Associates,
LLC; Abe Hershkovitz

(57) ABSTRACT

The present invention relates to a grate element (1) for a grate of a waste-incineration plant, having a plurality of rows of grate blocks, which are moveable or fixed, arranged one behind the other, a plurality of grate blocks (67) being arranged in each row of grate blocks. A first number of grate blocks arranged in a moveable row of grate blocks here is assigned to a first grate carriage (5), and a second number of grate blocks arranged in a moveable row of grate blocks is assigned to a second grate carriage (35), it being possible for the first number of grate blocks to be moved independently of the second number of grate blocks.

3 Claims, 13 Drawing Sheets



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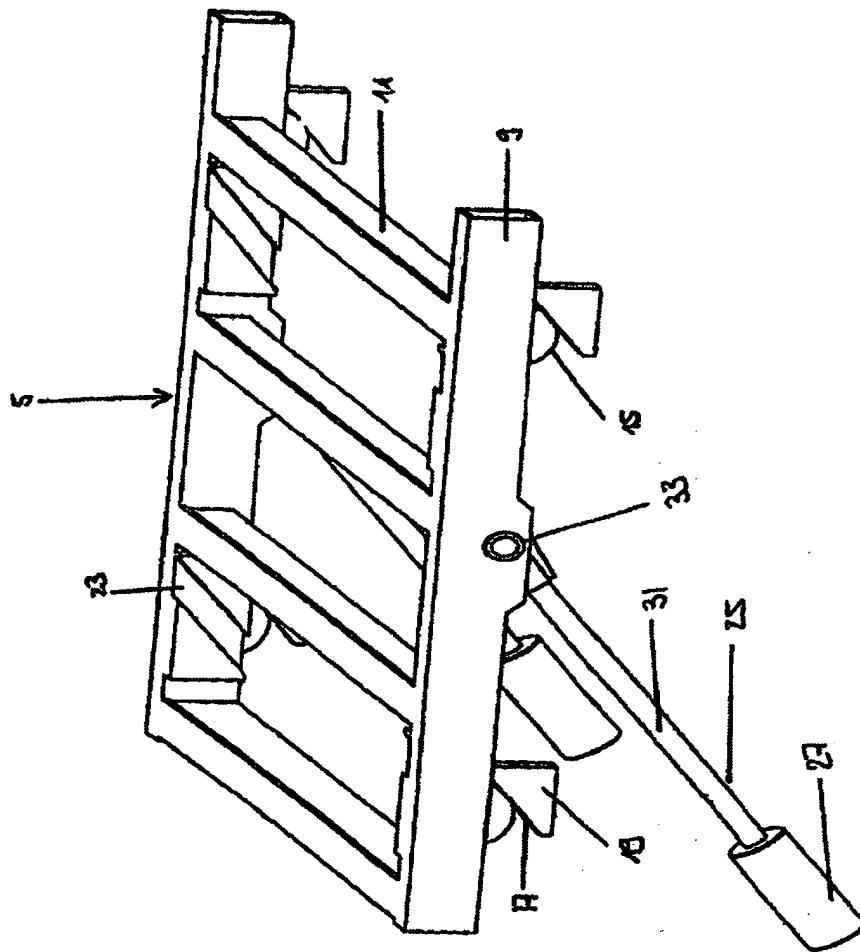


FIG. 1

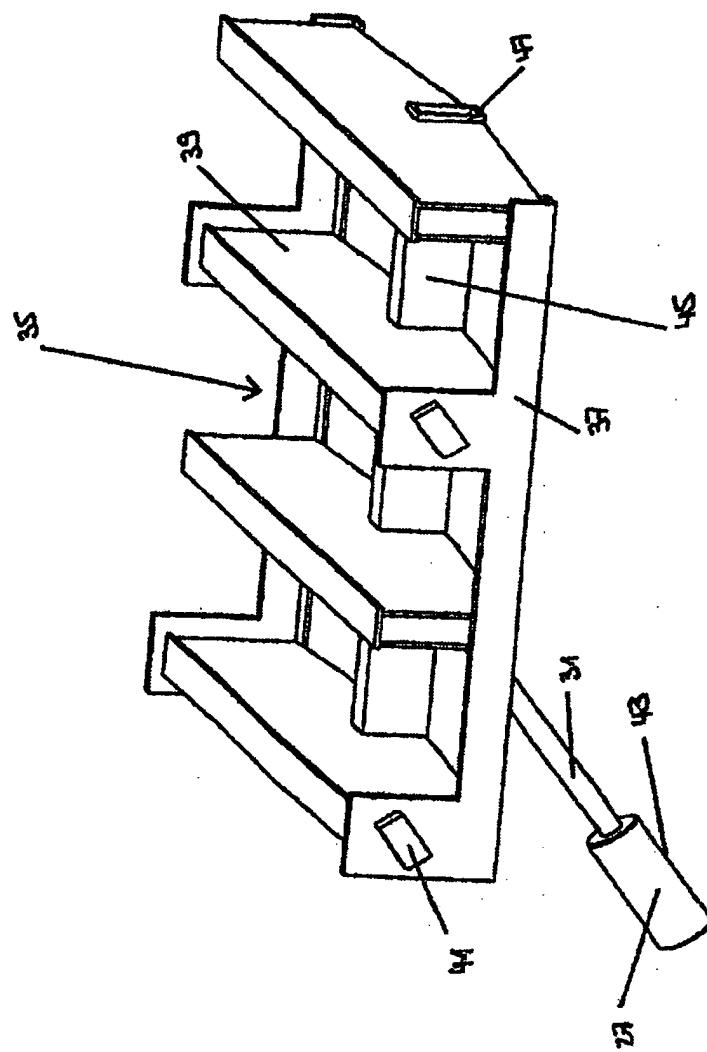
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FIG.2

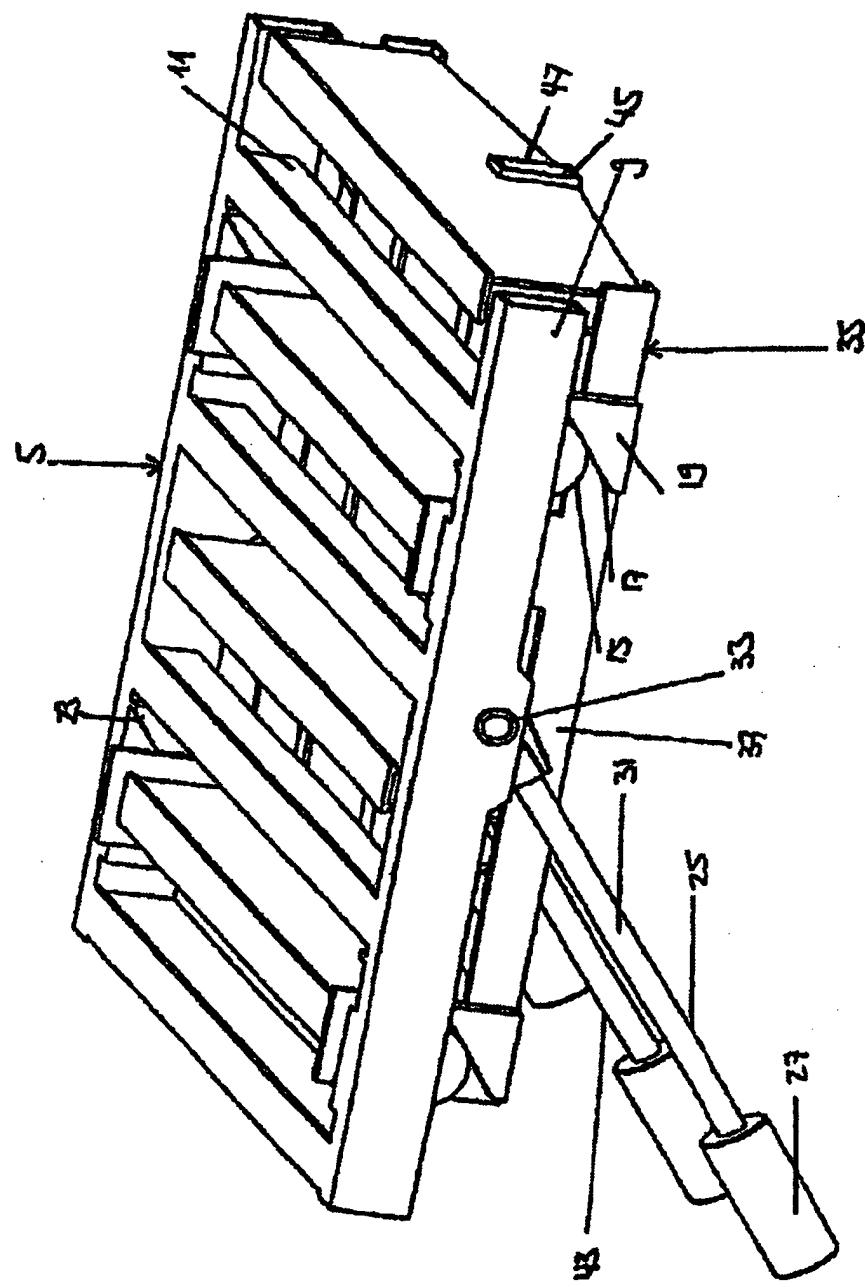


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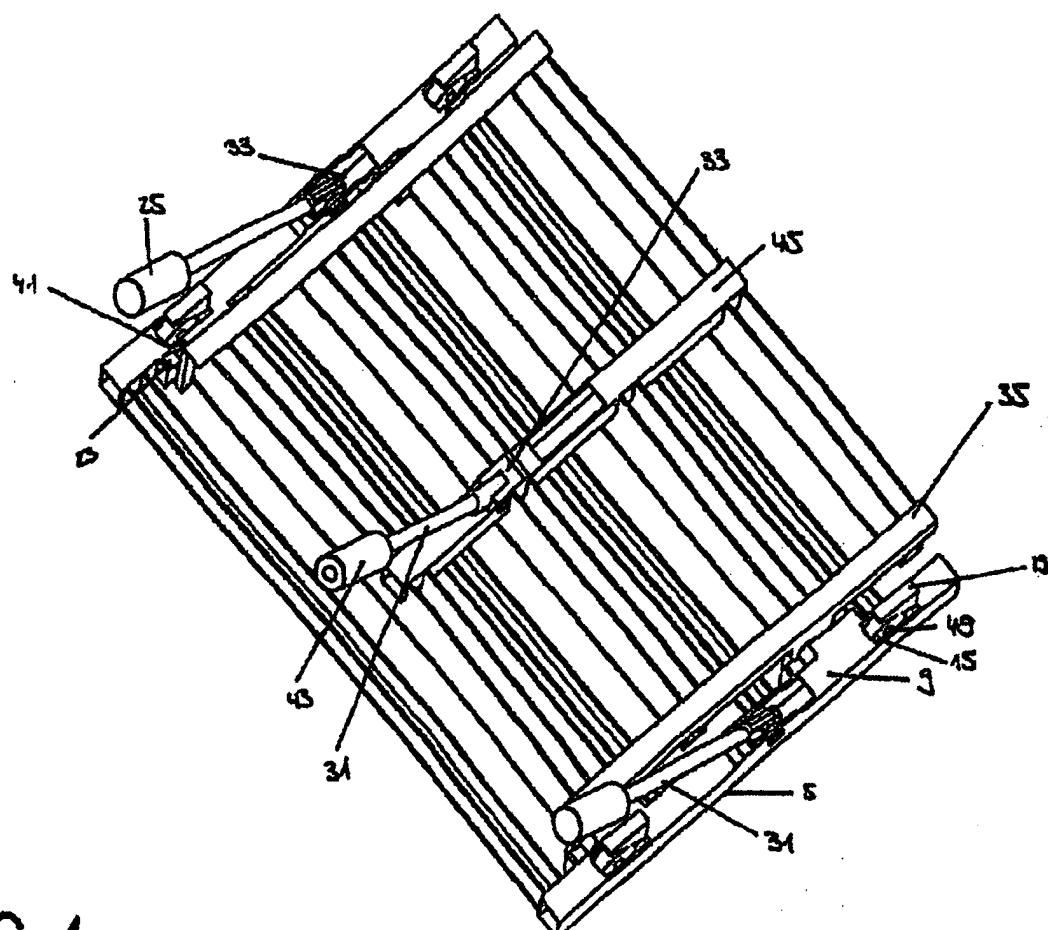


FIG. 4

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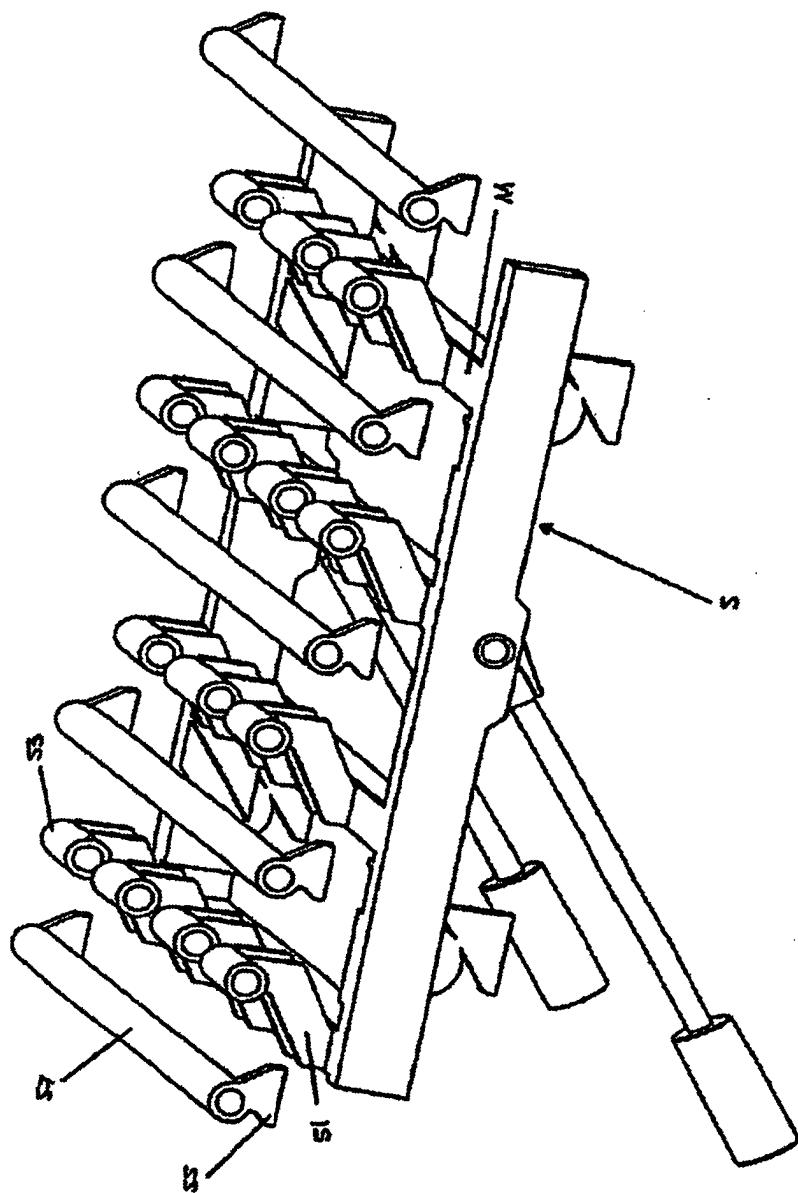


FIG. 5

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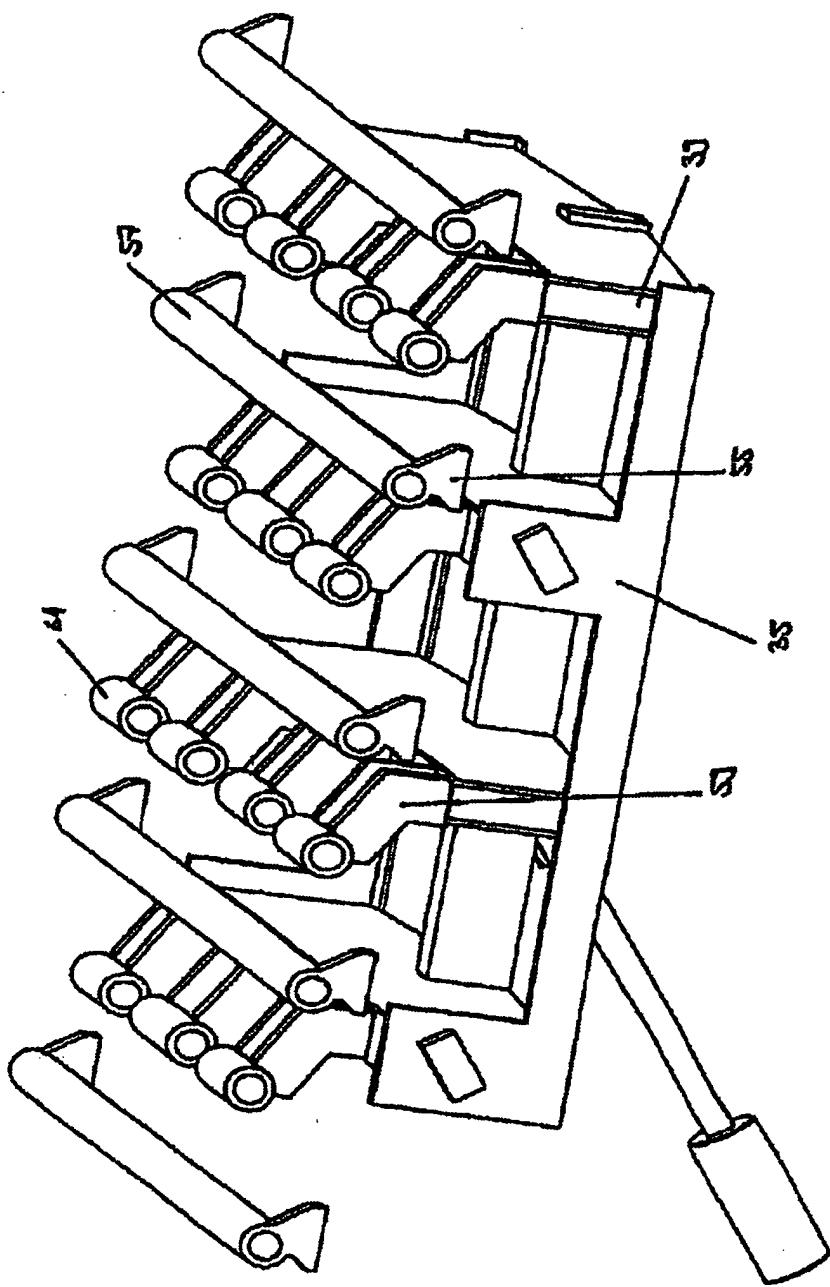


FIG. 6

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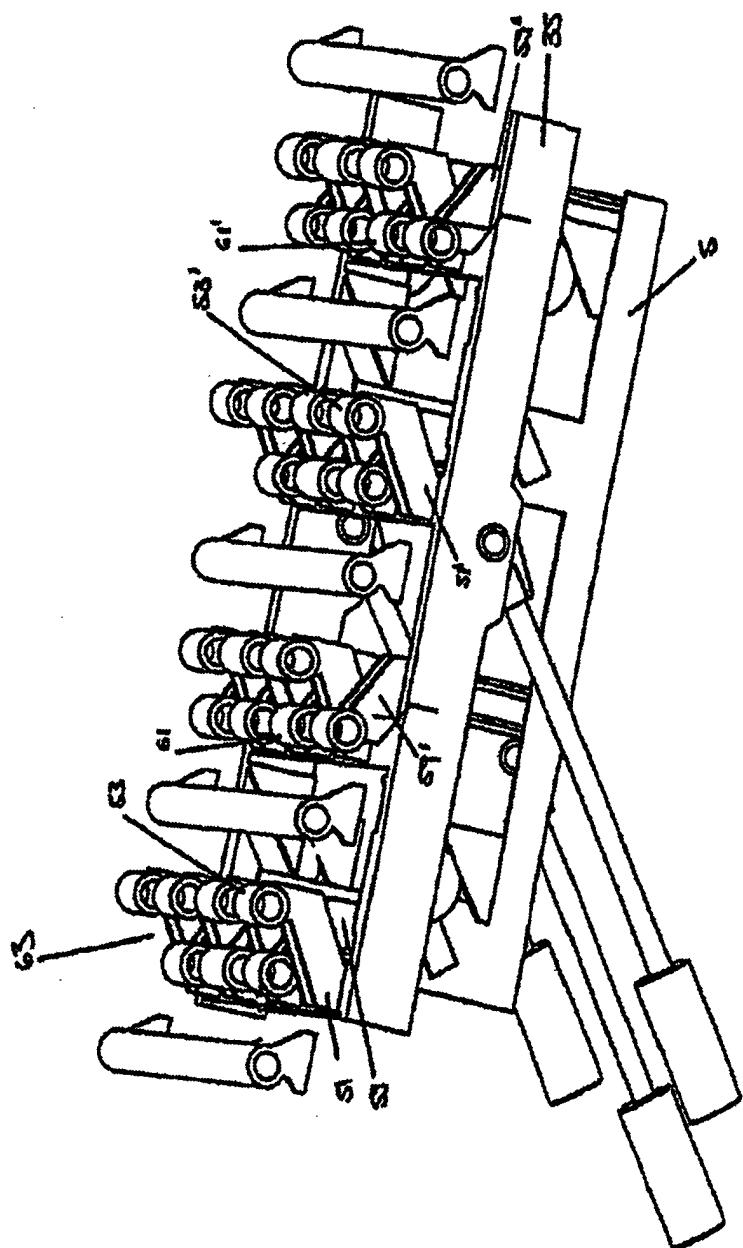


FIG. 7

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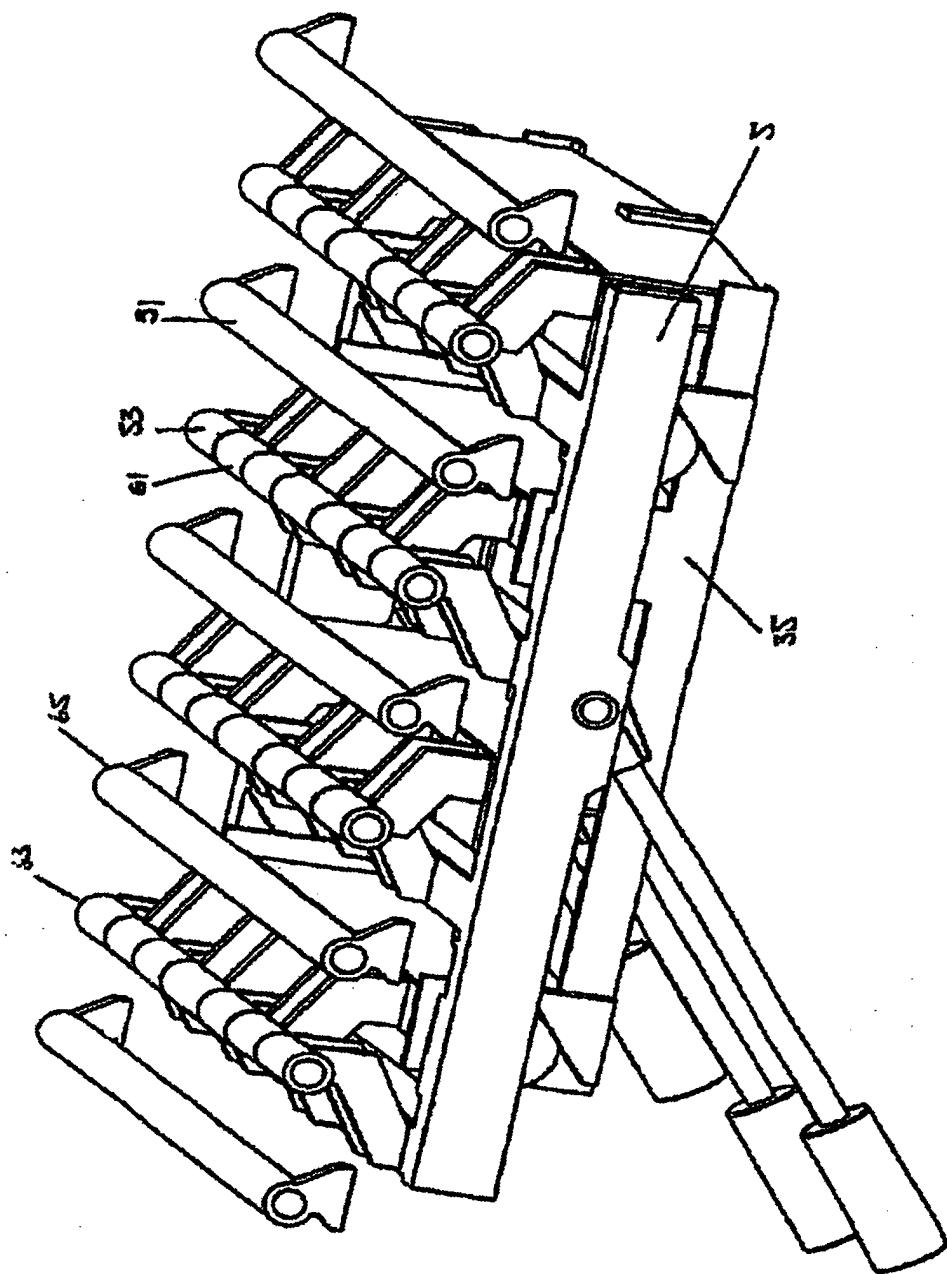


FIG. 8

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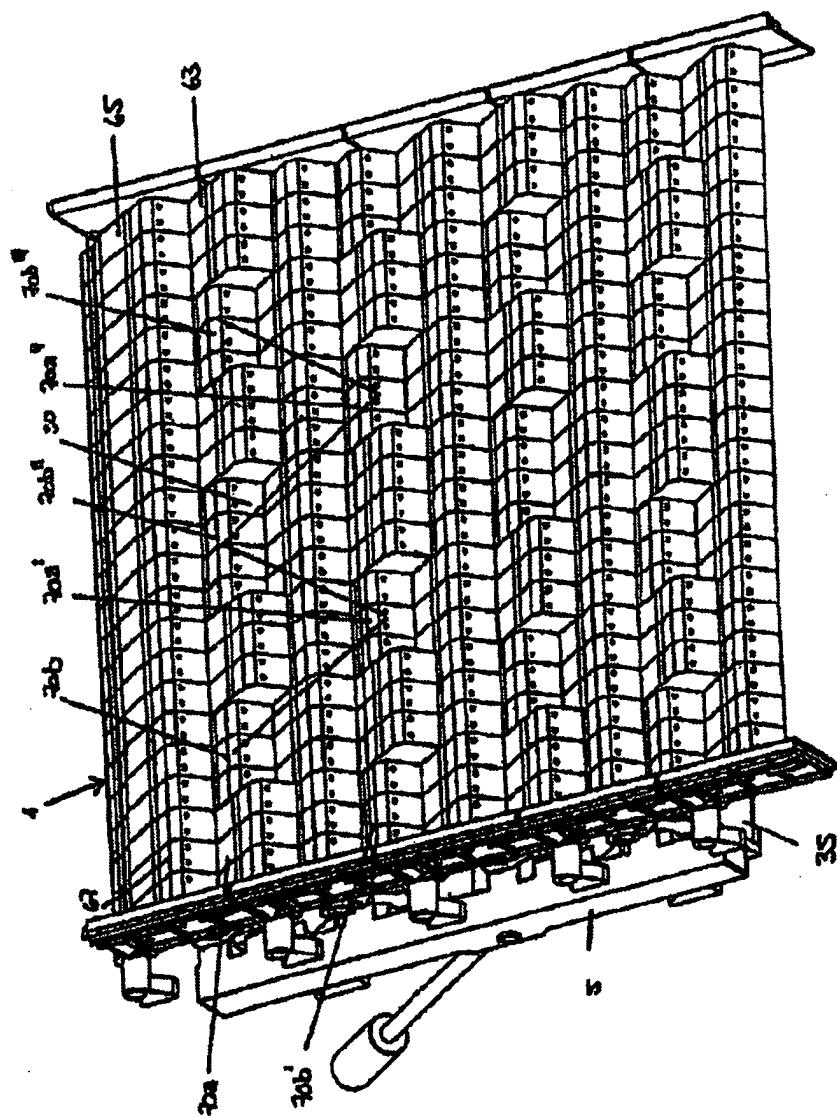


FIG. 9

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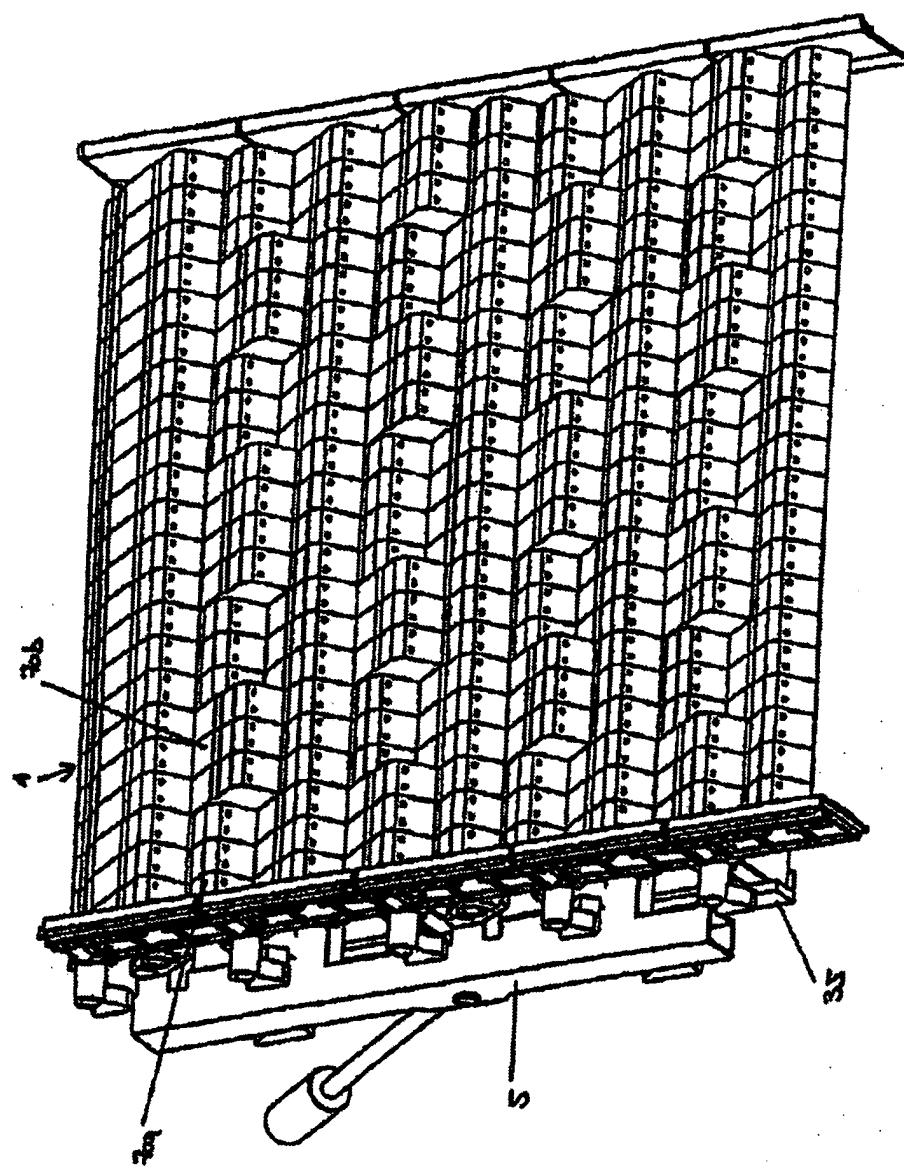


FIG. 10

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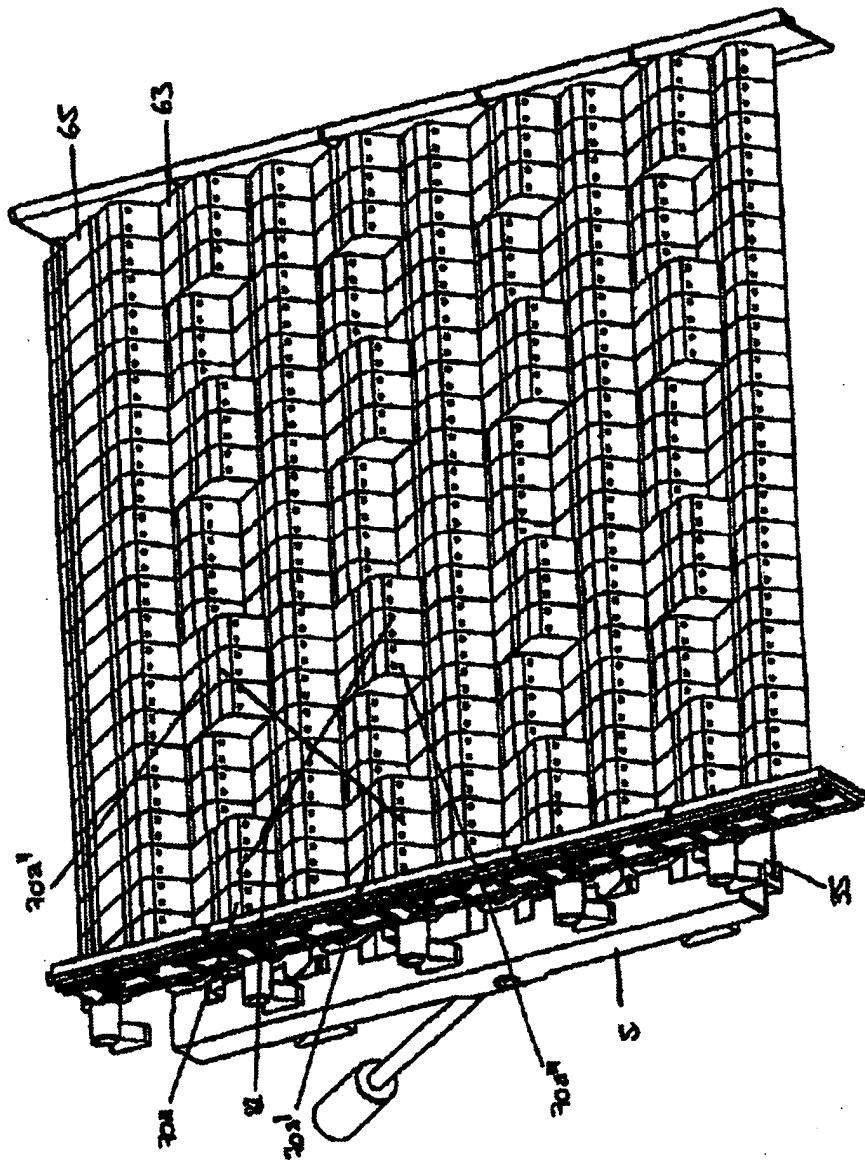


FIG. 11

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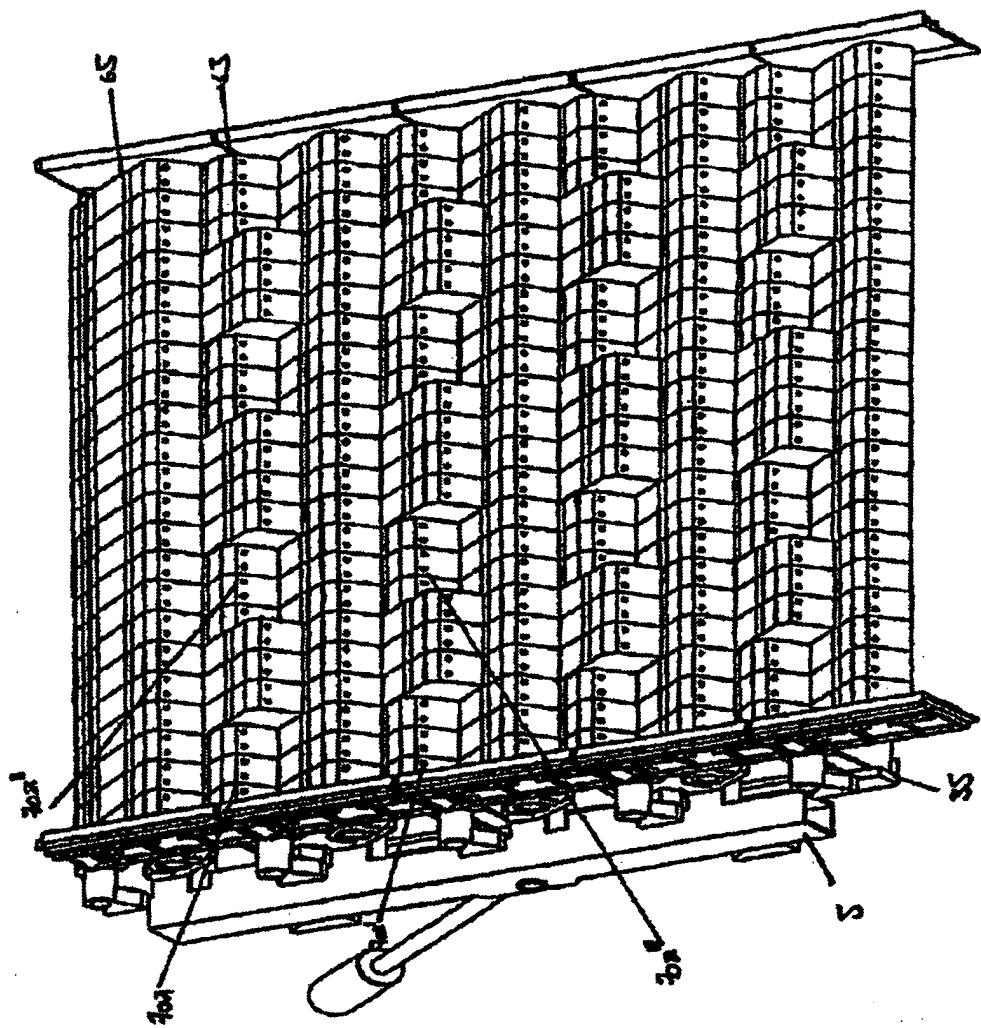


FIG. 12

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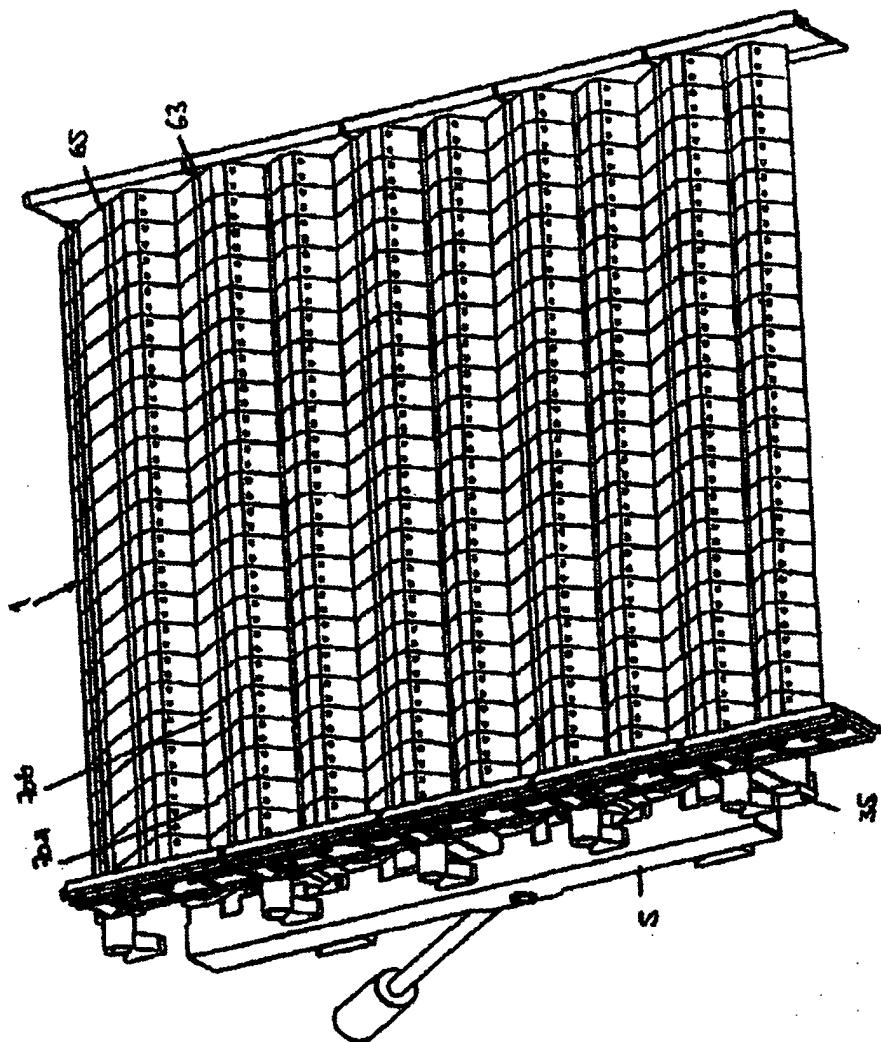


FIG. 13